

Fig. 1

Use examples

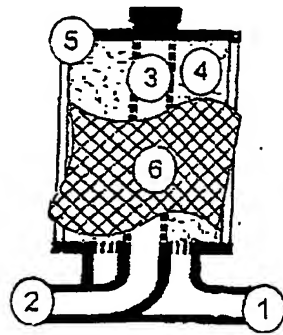


Fig. 1a

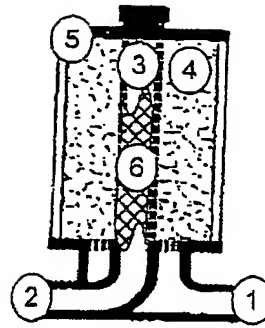


Fig. 1b

- |  |                                  |
|--|----------------------------------|
| (1) Feed: municipal water, well water or surface water               | (2) Outflow: purified water      |
| (3) Purified water collection channel                                | (4) Filter medium                |
| (5) Filter housing   | (6) Silver fabric or silver wool |
| (7) Storage tank   | (8) Take-off point               |
| (9) Filter cartridge   | (10) Three-way tap               |
| (M) Modifier, if filter medium = reverse osmosis membrane - optional |                                  |

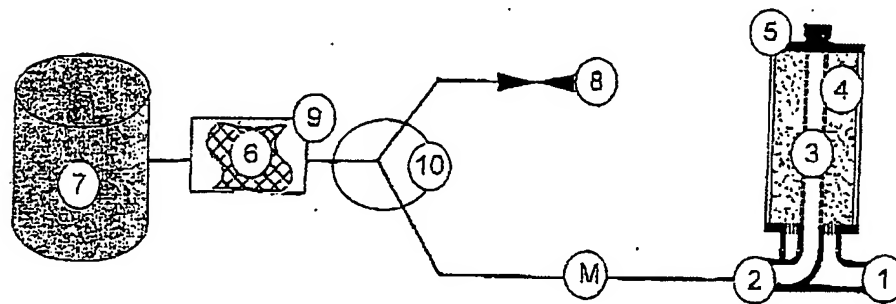
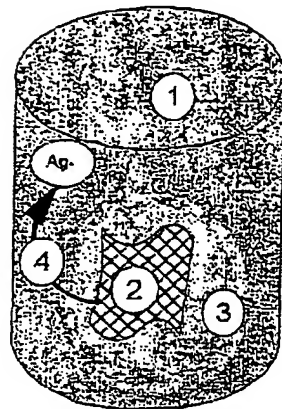


Fig. 1c

Fig. 2

## Use examples

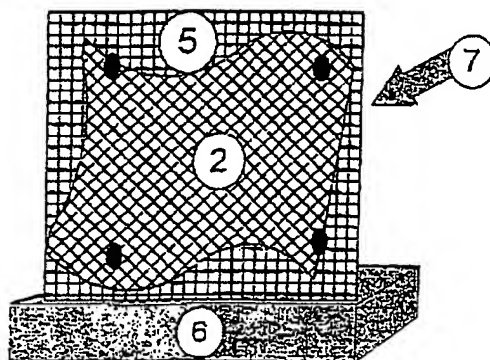


Microbial contamination protection by silvering of the water in

- tanks.
- open systems such as air humidifiers, indoor fountains, ...
- recirculated systems (including aquarium)
- filter systems.
- hot water providers.
- water beds.
- general: closed systems.

- ① Tank system, hot water provider, reservoir, ...
- ③ Water-permeable vessel/bag
- ⑤ Filter mat
- ⑦ Blast direction aerator

- ② Silver fabric or silver wool
- ④ Released silver ions
- ⑥ Water reservoir

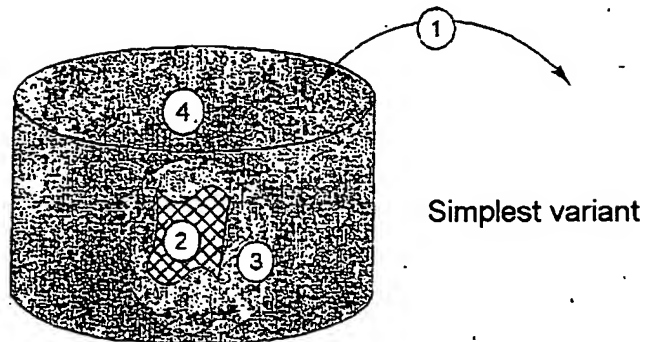


Example of air conditioning units/air humidifier

- direct protection of relevant components

Fig. 3

Use examples "third world"



① Drawn water

③ Water-permeable container/bag

⑤ Removal of particles and pollutants

⑦ Pump with coarse filter

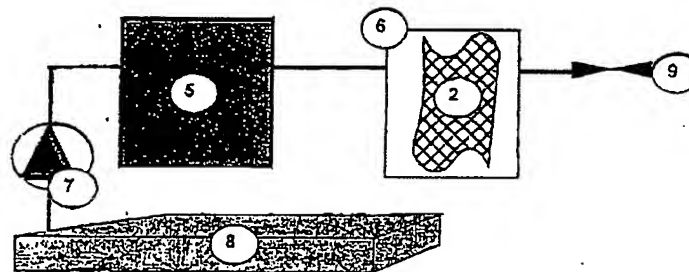
⑨ Water tap

② Silver fabric or silver wool

④ Tank, barrel, jar, cistern, ...

⑥ Filter cartridge

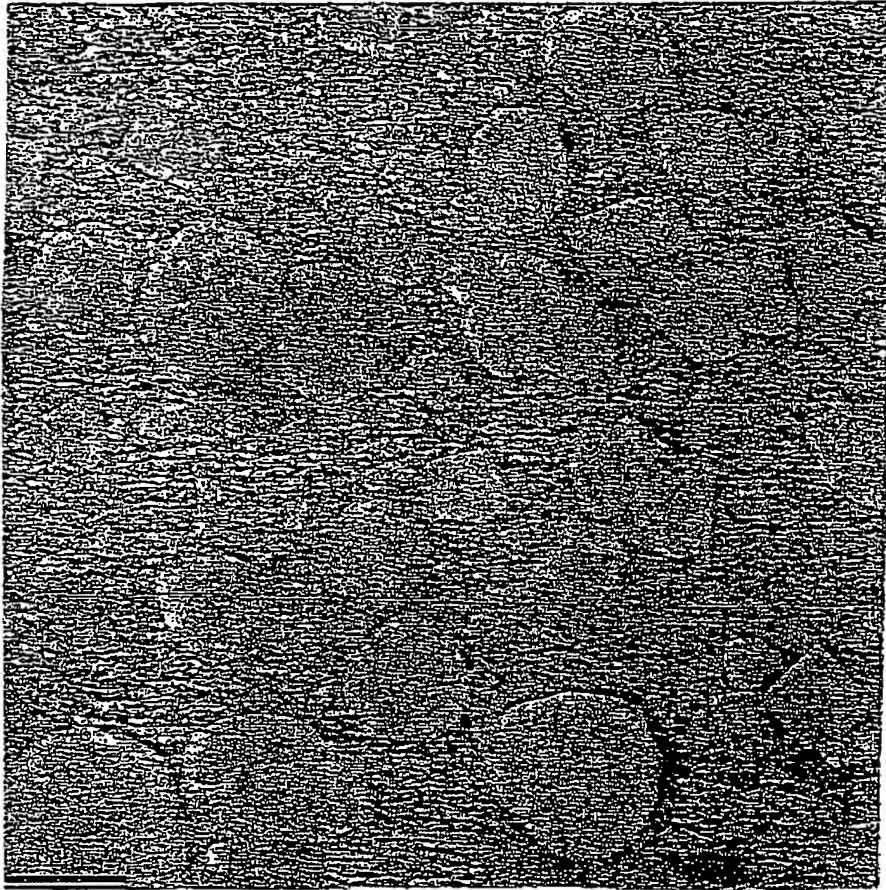
⑧ Water source: well, river, cisterns, reservoir for drawn water, lake, ...



Simple combined process for producing drinking water from surface waters, wells etc.

Fig. 4

SEM image

20  $\mu\text{m}$ 

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